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Sample (do not fill in blanks) SUBCONTRACT NO. **

UNDER

PRIME CONTRACT NO. DE-AC36-99-GO10337

CONTRACTING PARTY: MIDWEST RESEARCH INSTITUTE

NATIONAL RENEWABLE ENERGY LABORATORY

DIVISION

SUBCONTRACTOR: **

ADDRESS: **

SUBCONTRACT TITLE: "**"

TYPE OF SUBCONTRACT: COST SHARING - PHASED

PERIOD OF PERFORMANCE: PHASE I: DATE OF EXECUTION THROUGH **

PHASE II: ** THROUGH **
PHASE III: ** THROUGH **

SUBCONTRACT AMOUNT: SUBCONTRACTOR'S NREL'S

COST SHARE COST SHARE TOTAL

PAYMENT TERMS: NET 30

SUBCONTRACTOR'S REMITTANCE NAME

REMITTANCE NAME

AND ADDRESS:

**

FUNDED AMOUNT AND \$ **.00 - PVP36291 **TASK CHARGE NUMBER:** **.00 - PVP36292

\$ **.00

SUBCONTRACT NO. **

BETWEEN

MIDWEST RESEARCH INSTITUTE

NATIONAL RENEWABLE ENERGY LABORATORY DIVISION

AND

**

SCHEDULE

INTRODUCTION

This subcontract is effective upon execution by the Midwest Research Institute acting through its National Renewable Energy Laboratory Division (hereinafter called NREL), and ** (hereinafter called "Subcontractor") whose principal offices are located in **.

Midwest Research Institute has entered into Contract No. DE-AC36-99-GO10337 (hereinafter called "Prime Contract") with the Department of Energy (hereinafter called "DOE"), an agency of the U.S. Government (hereinafter called "Government"), for the operation and management of the National Renewable Energy Laboratory.

This subcontract is entered into in furtherance of the performance of the work provided for in the Prime Contract.

AGREEMENT

NOW, THEREFORE, the parties hereto agree to the following terms and conditions:

ARTICLE 1 - THE WORK TO BE PERFORMED

- A. The Subcontractor shall perform the work generally described as "**," and specifically provided for in Appendix A, Statement of Work, attached hereto and made a part hereof, pursuant to the provisions of this subcontract.
- B. Specific deliverables, quantities, due dates, reporting requirements, and addresses are set forth in Appendix A hereto.

ARTICLE 2 - THE PERIOD OF PERFORMANCE

A. The period of performance under this subcontract shall be as follows:

Phase I: Date of Execution through **

Phase II: ** through **
Phase III: ** through **

B. Each of these periods may be extended by mutual written agreement of the parties. NREL will make a decision, based on its sole judgement, whether or not to continue and incrementally fund each Phase prior to the completion date of each Phase. If all Phases are authorized by NREL, the total period of performance for the subcontract would be ** (**) months. If NREL should decide not to authorize a Phase, the subcontract shall be considered complete upon submittal of the final version of the Annual Technical Report, with corrections as specified by NREL, if any.

ARTICLE 3 - ESTIMATED COST, COST SHARING, OBLIGATION OF FUNDS AND FINANCIAL LIMITATIONS

A. <u>Estimated Cost</u> -- The estimated cost for the performance of the work conducted under this subcontract is \$**.00. It is agreed by the parties hereto that said total cost shall be shared as follows:

Estimated NREL Share:	\$ ** .00	- **%
Estimated Subcontractor Share:	<u>\$**.00</u>	- <u>**%</u>
Total:	\$** .00	- 100%

This cost sharing formula shall also apply (on the percentage basis shown above) to any increase or decrease in the estimated total cost of subcontract performance, changes under the "Changes" clause and/or terminations under the "Terminations" clause contained in Appendix B.

B. The estimated cost specified in A above is broken down as follows for this subcontract:

		Estimated	
	Estimated	Subcontractor	
	NREL Share	Share_	Total Cost
Phase I:	\$ **.00 **%	\$**.00 ** ⁰ / ₀	\$** .00
Phase II:	\$ **.00 **%	\$**.00 **%	\$** .00
Phase III:	<u>\$ **.00</u> **%	<u>\$**.00</u> **%	<u>\$**.00</u>
Total:	\$ **.00 ** ⁰ / ₀	\$**.00 **%	\$**.00

This cost sharing formula for each phase shall also apply (on the percentage basis shown above) to any increase or decrease in the estimated total cost of each phase of subcontract performance, changes under the "Changes" clause and/or terminations under the "Termination" clause contained in Appendix B.

- C. The Subcontractor shall be paid for the work conducted under this subcontract in accordance with the clauses entitled "Allowable Cost and Payment" and "Cost Sharing Subcontract No Fee" in Appendix B, and the article entitled "Invoices" in this schedule.
- D. Pursuant to the "Limitation of Funds" clause in Appendix B, the amount of \$**.00 has been allotted and is available for payment of NREL's estimated share of allowable costs for a portion of the work under this subcontract. It is estimated that the allotted amount will cover work under this subcontract through **. This allotted amount presently obligated by NREL with respect to this subcontract, may be unilaterally increased by NREL by written notice to the Subcontractor,

- and may be increased or decreased by written agreement of the parties by formal modification of this subcontract.
- E. The Subcontractor is authorized by NREL's execution of this subcontract to perform** for which funds have been allotted in Paragraph D above.
- F. The Subcontractor is cautioned that, subject to the provisions of the clauses entitled "Limitation of Funds" and "Limitation of Cost" contained in Appendix B, NREL is not presently obligated to reimburse the Subcontractor for costs incurred in excess of NREL's share of funds allotted in Paragraph D above for portions of authorized work under the subcontract, and (ii) shall not be obligated to reimburse the Subcontractor for costs incurred in excess of NREL's share of the total estimated costs in paragraph B above for full performance under the subcontract.
- G. The giving of any notice by either party under this article, the article entitled "The Period of Performance" in this Schedule or the clauses entitled "Limitation of Funds" and "Limitation of Cost" in Appendix B, as applicable, shall not be construed to waive or impair any rights of NREL to terminate this subcontract under the provisions of the termination clause(s) contained in Appendix B.

ARTICLE 4 - LIMITATION OF FUNDS AND LIMITATION OF COST -- SPECIAL (JULY 1999)

The "Limitations of Funds" clause contained in Appendix B shall be operable during such time that NREL incrementally allots additional funds to this subcontract as set forth in Article 3 - Estimated Cost, Cost Sharing, Obligations of Funds, and Financial Limitations. (The Limitations of Cost clause shall be inoperable during such time.)

The "Limitations of Cost" clause contained in Appendix B shall become operable at such time that NREL allots to this subcontract an amount equal to the total estimated NREL cost share set forth in Article 3 - Estimated Cost, Cost Sharing, Obligations of Funds, and Financial Limitations. (The Limitations of Funds clause shall be inoperable at such time.)

ARTICLE 5 - WAIVER OF FACILITIES CAPITAL COST OF MONEY

The Subcontractor did not include facilities capital cost of money as a proposed cost of this subcontract. Therefore, it is an unallowable cost under this subcontract.

ARTICLE 6 - SUBCONTRACTOR ACQUIRED PROPERTY AND TITLE

Unless otherwise specified herein, all materials, supplies, and equipment shall be procured with funds allocated as the Subcontractor's Cost Share participation. Therefore, title to such materials, supplies, and equipment shall remain with the Subcontractor. The retention of title to such materials, supplies, and equipment with the Subcontractor shall be subject to the conditions below.

1. The Subcontractor shall not charge depreciation, amortization, or use charges for the materials, supplies, or equipment under any other Federal Government contract, subcontract, cooperative agreement, or grant either currently or in the future.

2. Said materials, supplies, or equipment shall be used for the benefit of research and development under this subcontract and any extension hereto.

ARTICLE 7 - APPLICABLE DOCUMENTATION

In addition to the terms and conditions contained in this Schedule, the following documents are attached hereto and made a part of this subcontract:

- A. Appendix A, entitled "Statement of Work" dated **.
- B. Appendix B-*, entitled "Standard Terms and Conditions" dated 07/24/00.
- C. Appendix C-*, entitled "Intellectual Property Provisions" dated 10/22/98.
- D. Appendix D-1, entitled "Clauses for Subcontracts in Excess of \$500,000" dated 07/28/00.
- E. Subcontractor's technical proposal dated **, together with any revisions, is hereby incorporated by reference. In the event there is a conflict between the Subcontractor's technical proposal and any other provisions of this subcontract, the latter shall prevail.

ARTICLE 8 - ORDER OF PRECEDENCE

Any inconsistency in this subcontract, shall be resolved by giving precedence in the following order:

- A. This Schedule;
- B. Statement of Work (Appendix A);
- C. Standard Terms and Conditions (Appendix B-*);
- D. Intellectual Property Provisions (Appendix C-*);
- E. Clauses for Subcontracts in Excess of \$500,000 (Appendix D-1);
- F. The Subcontractor's technical proposal, if incorporated in this subcontract by reference or otherwise.

ARTICLE 9 - RIGHTS TO PROPOSAL DATA

Except for technical data contained on pages (None) of the Subcontractor's proposal dated ** which are asserted by the Subcontractor as being proprietary data, it is agreed that, as a condition of the award of this subcontract, and notwithstanding the provisions of any notice appearing on the proposal, the Government and NREL shall have the right to use, duplicate, disclose and have others do so for any purpose whatsoever, the technical data contained in the proposal upon which this subcontract is based.

ARTICLE 10 - SUBCONTRACT ADMINISTRATION RESPONSIBILITIES

- A. Signature Authority: This subcontract may only be modified by a formal modification signed by an authorized official of NREL.
- B. Subcontract Administration Responsibilities: The authorized official of NREL has designated Christie Johnson, as the Subcontract Administrator for this subcontract with the responsibilities for subcontract administration and negotiation of any modifications to this subcontract. The Subcontract Administrator's telephone number is (303) 384-7394.
- C. Technical Monitoring Responsibilities: The authorized official of NREL has designated **, as the Technical Monitor for this subcontract with the responsibilities of monitoring the technical work or services to be performed under this subcontract. The Technical Monitor does not have the authority to make any commitments or authorize any changes which may affect the subcontract's cost, scope of work, terms, or conditions. Any such changes shall be referred to the Subcontract Administrator designated in Paragraph B above. The Technical Monitor's telephone number is (303) 384-**.

ARTICLE 11 - KEY PERSONNEL

A. It having been determined that the individuals, whose names appear below, are necessary for the successful performance of this subcontract, the Subcontractor agrees to assign or have assigned such individuals to the performance of the work under this subcontract and shall not reassign or remove any of them without the consent of the Subcontract Administrator by modification to this subcontract:

Name Project Title Telephone No.

**

**

**

B. Whenever, for any reason, one or more of the designated key personnel designated above, is unavailable for assignment for work under this subcontract, the Subcontractor shall, with the approval of the Subcontract Administrator, replace such individual with an individual of substantially equal abilities and qualifications.

ARTICLE 12 - INVOICES

Invoices for work accomplished under this subcontract shall be submitted in an original and one copy to:

National Renewable Energy Laboratory Attn: Carolyn Lopez, Mailstop 2713 1617 Cole Boulevard Golden, CO 80401-3393

To facilitate processing and payment each invoice must reference the subcontract number which appears on the cover sheet of this subcontract. Payments under this subcontract shall be made in accordance with the payment terms and to the Subcontractor's remittance name and address shown on the cover sheet of this subcontract. Final payment under this subcontract shall be made upon execution of the closeout modification by both parties hereto (including receipt of an appropriately signed Release of Claims, appropriately signed Assignment of Refunds, Rebates, Credits and Other Amounts, final property disposition, and patent clearances, if required).

The payment terms of this subcontract shall mean net days from the date of receipt of an acceptable invoice or the date of receipt and acceptance of all deliverables or reporting requirements for the period covered by the invoice, whichever is later.

The Subcontractor shall submit its invoices in reasonable detail, broken down by category, showing the total cost incurred both currently and cumulatively less the Subcontractor's cost share and the resultant NREL cost share. An authorized official of the Subcontractor shall sign the following certification on each invoice submitted for payment:

"I certify that this invoice is correct and	d proper for payment, and
reimbursement for these costs has not	and will not be received
under any other Government contract of	or subcontract or other
source of Government funds.	
Authorized Official	Date"

Subcontractor acquired equipment, as authorized hereunder, must be separately identified on invoices submitted and include backup documentation in the form of an equipment listing or a copy of the receiving report, which shall include as a minimum; the item nomenclature, purchase price, applicable shipping and installation charges, and the acquisition date. Cost share recognition for subcontractor acquired equipment can not be made without this information.

The Subcontractor is hereby notified that NREL may withhold payment on invoices submitted, if the Subcontractor has failed to comply with or is delinquent in the submission of the reporting or deliverable requirements under this subcontract, until such time as the Subcontractor has complied or submitted such reporting or deliverable requirements.

ARTICLE 13 - NEGOTIATED AND CEILING INDIRECT RATES

A. The following rates were utilized in the negotiation of the estimated cost for this subcontract:

Category	Subcontract Period Covered	Rate	Base
**	** through **	**0/0	**
**	** through **	**0/0	**

The Subcontractor shall utilize its current indirect rates, during the period of this subcontract, as billing/invoicing rates. In accordance with the clause entitled "Allowable Cost and Payment", and the article entitled "Limitation of Funds and Limitation of Cost," the Subcontractor shall notify the Subcontract Administrator immediately, when its current indirect rates and the rates utilized in the negotiation of this subcontract's estimated cost differ significantly such that the Subcontractor has or should have reason to anticipate the incurrence of costs which are in excess of, or are substantially less than, the amount set forth in Article 3 of this subcontract schedule. Such notice from the Subcontractor shall include indirect rate cost calculation and supporting data, the cost impact to the subcontract by cost categories, and proposed technical approaches for handling the potential overrun or underrun under this subcontract.

B. In accordance with the clause entitled "Allowable Cost and Payment," the following rates shall be applied as ceiling rates to the allowable costs for the recovery of indirect costs against this subcontract if upon completion, finalization and negotiation of the actual indirect rates for the appropriate periods covered by this subcontract, the actual indirect rates exceed the following ceiling rates:

<u>Category</u>	Subcontract Period Covered	Rate	<u>Base</u>
**	** through **	**0/0	**
**	** through **	**0/0	**

- C. The Subcontractor is cautioned that, pursuant to the clause entitled "Limitation of Cost", if this subcontract is fully funded or pursuant to the clause entitled "Limitation of Funds" if this subcontract is incrementally funded, NREL shall not be obligated to reimburse the Subcontractor for indirect or direct costs incurred in excess of the allotted amount set forth in Article 3 of this subcontract schedule. This shall also apply to overruns created by an indirect rate fluctuation that the Subcontractor, as a prudent businessperson, should have been aware of, and should have informed NREL of, at the time.
- D. In accordance with the Allowable Cost and Payment clause of Appendix B, the Subcontractor shall submit an adequate final indirect cost rate proposal to the NREL Subcontract Administrator and cognizant auditor within the 6-month period following the expiration of each of its fiscal years during the period of this subcontract.

ARTICLE 14 - PUBLIC DISCLOSURE

A. Publicity release of any nature in connection with this subcontract shall not be made by the Subcontractor without prior review and approval of the NREL Subcontract Administrator.

B. The Subcontractor should particularly note that all papers and documents which are required for submittal and distribution for patent clearance under this subcontract should first be submitted to the Department of Energy, Intellectual Property Law Division, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois 60439 prior to distribution to the public. This requirement of patent clearance prior to publication of all Subcontractor's reports is specifically required and set forth in Appendix C hereof.

ARTICLE 15 - SMALL BUSINESS (LOWER-TIER) SUBCONTRACTING PLAN

The subcontractor's Small Business (Lower-tier) Subcontracting Plan dated ** is hereby incorporated as Appendix E in this subcontract. The Subcontractor hereby agrees to submit the "Subcontracting Report for Individual Contracts" (Standard Form 294) semi-annually during subcontract performance for the periods ended March 31st and September 30th, based on the Government's fiscal year (October 1 through September 30). A separate report is required at subcontract completion in accordance with the instructions on the form. The "Subcontracting Report for Individual Contracts" is due on or before the twenty-fifth (25th) day of the month following the close of the applicable period. The Subcontractor shall also submit the "Summary Subcontract Report" (Standard Form 295) annually for the twelve months ended September 30th, at the close of each Government fiscal year and in accordance with the instructions on the form. The original plus two (2) copies of these reports shall be submitted to the subcontract administrator.

The reports shall be sent to the following address:

National Renewable Energy Laboratory ATTN: Carolyn Lopez, Mail Stop 2713 Contracts and Business Services 1617 Cole Boulevard Golden, CO 80401-3393

ARTICLE 16 - ALTERATIONS TO TERMS AND CONDITIONS

Appendix B is hereby modified by adding the following clause thereto:

"CLAUSE ** - SUBMISSION OF COMMERCIAL TRANSPORTATION BILLS TO DOE/NREL FOR AUDIT BY THE GENERAL SERVICES ADMINISTRATION. (JUN 1997) AND COMMERCIAL BILL OF LADING NOTATIONS (APR 1984)

Derived from FAR 52.247-67 (FD) and FAR 52.247-1

(Submission requirement applies to all cost-reimbursement subcontracts when reimbursement of shipment costs is a direct charge to the subcontract.)

(Notation requirement applies to all cost reimbursement subcontracts when transportation is a direct charge to the subcontract and all fixed price subcontracts when direct and actual transportation cost is a separate item in the invoice (e.g. F.O.B. origin) and not included in the delivered price (e.g. F.O.B. destination))

SUBMISSION

A. 1. In accordance with paragraph A.2. of this clause, the Subcontractor shall submit to NREL for audit by the General Services Administration (GSA), legible copies of all paid freight bills/invoices, commercial bills of lading (CBL's), passenger coupons, and other supporting documents for transportation services on which NREL/DOE will assume freight charges that were paid—

- (i) By the Subcontractor under a cost-reimbursement subcontract;
- 2. Cost-reimbursement Subcontractors shall only submit for audit those CBL's with freight shipment charges exceeding \$50.00. Bills under \$50.00 shall be retained on-site by the Subcontractor and made available for on-site audits by NREL/DOE, or designee. This exception only applies to freight shipment bills and is not intended to apply to bills and invoices for any other transportation services.
- B. The Subcontractor shall forward copies of paid freight bills/invoices, CBL's, passenger coupons, and supporting <u>documents as an attachment to the Subcontractor's invoice</u> on which the transportation charges are identified for payment by NREL.
- C. Any original transportation bills or other documents requested by NREL/DOE shall be forwarded promptly by the Subcontractor to NREL. The Subcontractor shall ensure that the name NREL/DOE is stamped or written on the face of the original bill or other documents before sending it to NREL.

NOTATION

If the NREL Subcontract Administrator authorizes supplies to be shipped on a commercial bill of lading and the Subcontractor will be reimbursed these transportation costs as direct allowable costs, the Subcontractor shall ensure before shipment is made that the commercial shipping documents are annotated with the following notation:

"Transportation is for the U.S. Department of Energy, acting through its National Renewable Energy Laboratory (NREL) and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by NREL on behalf of the Government, pursuant to cost-reimbursement contract No. DE-AC36-99GO10337. This may be confirmed by contacting The Golden Field Office, 1617 Cole Blvd. Golden, CO 80401."

ARTICLE 17 - INTEGRATION

This subcontract contains the entire understanding between the parties, and there are no understandings or representations except those set forth or incorporated by reference herein. No subsequent modifications of this subcontract shall be of any force or effect unless in writing signed by a duly authorized official of NREL.

IN WITNESS WHEREOF, the parties hereto have below.	ave executed this subcontract as of the date fully signed
ACCEPTED: **	AUTHORIZED: MIDWEST RESEARCH INSTITUTE NATIONAL RENEWABLE ENERGY LABORATORY DIVISION
BY:	BY:

DATE: _____